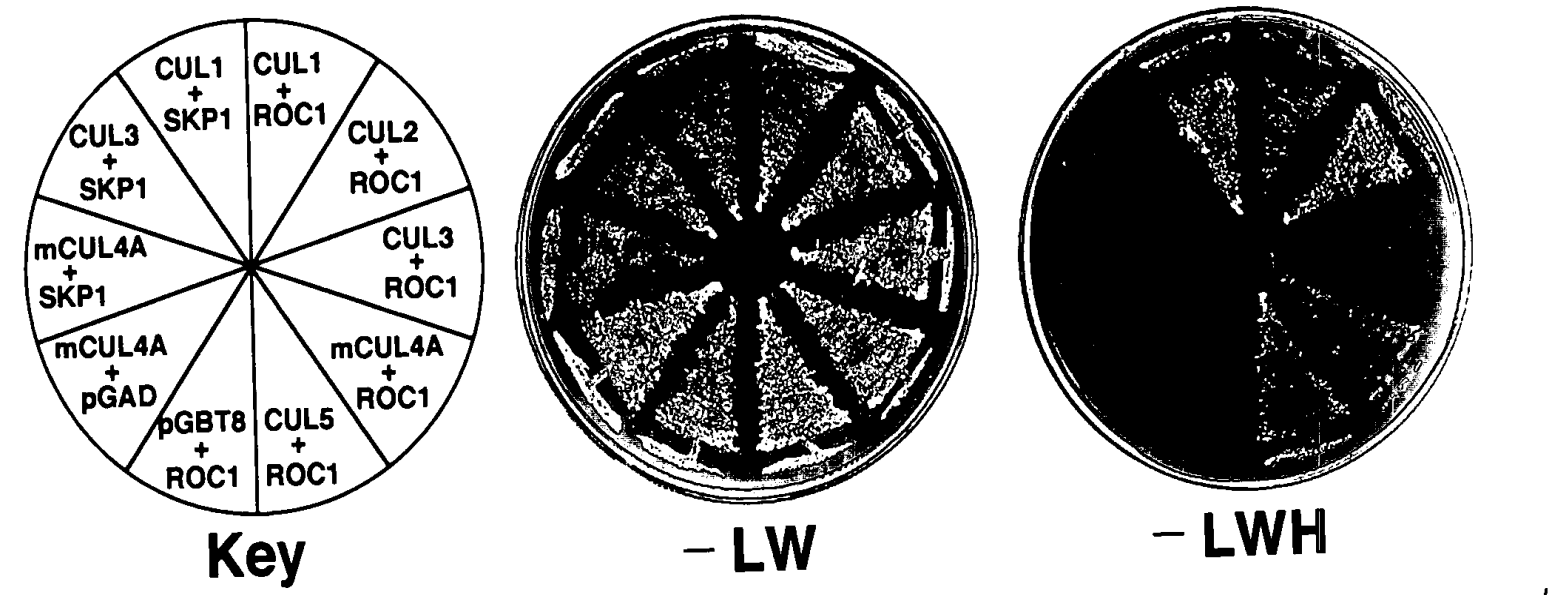
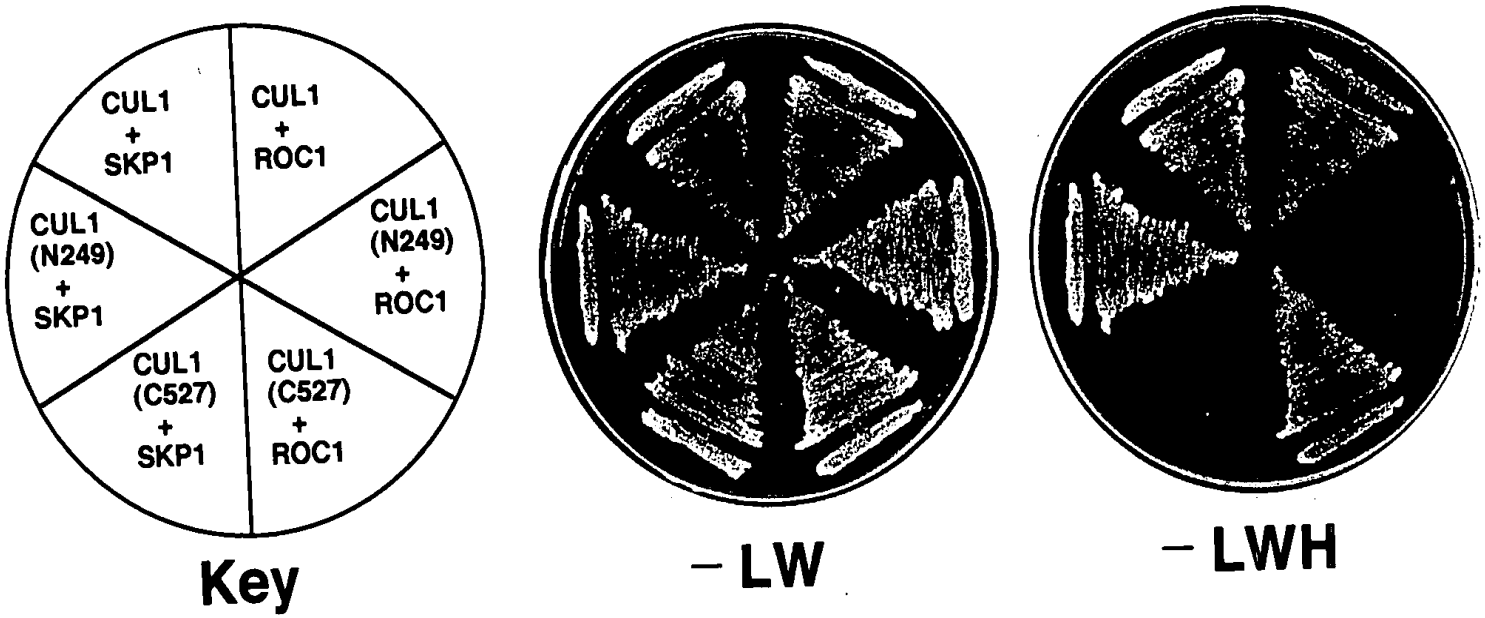


FIG.1A



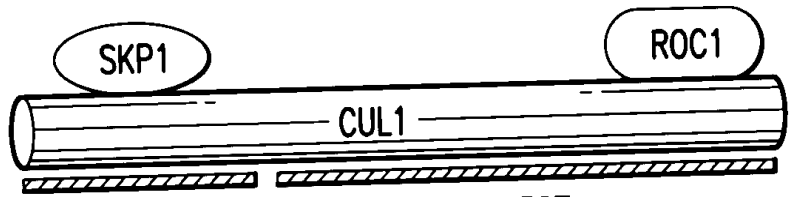


FIG.1B

ROC1

```
ATGGCGGCAGCGATGGATGTGGATACCCCGAGCGGCACCAACAGCGGCGCGGGCAAGAAGCGCTTTGAAGTGAAAAAGTGGAATGCAGTA  90
 M  A  A  A  M  D  V  D  T  P  S  G  T  N  S  G  A  G  K  K  R  F  E  V  K  K  W  N  A  V   30
GCCCTCTGGGCCTGGGATATTGTGGTTGATAACTGTGCCATCTGCAGGAACCACATTATGGATCTTTGCATAGAATGTCAAGCTAACCAG 180
 A  L  W  A  W  D  I  V  V  D  N  C  A  I  C  R  N  H  I  M  D  L  C  I  E  C  Q  A  N  Q   60
GCGTCCGCTACTTCAGAAGAGTGTACTGTCGCATGGGGAGTCTGTAACCATGCTTTTCACTTCCACTGCATCTCTCGCTGGCTCAAAACA 270
 A  S  A  T  S  E  E  C  T  V  A  W  G  V  C  N  H  A  F  H  F  H  C  I  S  R  W  L  K  T   90
CGACAGGTGTGTCCATTGGACAACAGAGAGTGGGAATTCCAAAAGTATGGGCACTAG 327
 R  Q  V  C  P  L  D  N  R  E  W  E  F  Q  K  Y  G  H  *  108
```

FIG.2A

ROC2

```
ATGTTCTCCCTCAAGAAGTGGAACCCGGTGGCCATGTGGAGCTGGGACGTGGAGTGCGATACGTGCGCCATCTGCAGGGTCCAGGTGATG  90
 M  F  S  L  K  K  W  N  P  V  A  M  W  S  W  D  V  E  C  D  T  C  A  I  C  R  V  Q  V  M   30
GATGCCTGTCTTAGATGTCAAGCTGAAAACAAACAAGAGGACTGTGTTGTGGTCTGGGGAGAATGTAATCATTCCTTCCACAACTGCTGC 180
 D  A  C  L  R  C  Q  A  E  N  K  Q  E  D  C  V  V  V  W  G  E  C  N  H  S  F  H  N  C  C   60
ATGTCCCTGTGGGTGAAACAGAACAATCGCTGCCCTCTCTGCCAGCAGGACTGGGTGGTCCAAAGAATCGGCAAATGA 258
 M  S  L  W  V  K  Q  N  N  R  C  P  L  C  Q  Q  D  W  V  V  Q  R  I  G  K  *  85
```

FIG.2B

```
ROC1-Hs    22 FEVKKWNAVALWAWDIVVDNCAICRNHIMDLCIECQANQASATSEECTVAWGVCNHAFHFHCISRWL---KTRQVCPLDNREWEF 108
ROC1-Dm    22 FEVKKWNAVALWAWDIVVDNCAICRNHIMDLCIECQANQASATSEECTVAWGVCNHAFHFHCISRWL---KTRQVCPLDNREYDF 108
ROC1-Ce    24 FEVKKWSAVALWAWDIQVDNCAICRNHIMDLCIECQANQAAGLKDECTVAWGNCNHAFHFHCISRWL---KTRQVCPLDNREWEF 110
ROC1-At    32 FEIKKWSAVALWAWDIVVDNCAICRNHIMDLCIECQANQASATSEECTVAWGVCNHAFHFHCISRWL---KTRQVCPLDNSEWEF 118
ROC1-Sp    21 FEIKKWNAVALWQWDIVVDNCAICRNHIMDLCIECQANTDSAAAQECTVAWGTCNHAFHFHCISRWL---NTRNVCPLDNREWEF 113
ROC1-Sc    35 FEIKKWTAVAFWSWDIAVDNCAICRNHIMEPCIECQPKAMTDTDNECVAAWGVCNHAFHLHCINKWI---KTRDACPLDNQPWQL 121

ROC2-Hs     2 FSLKKWNAVAMWSWDVECDTCAICRVQVMDACLRCQAEN---KQEDCVVVWGECNHSFHNCCMSLWV---KQNNRCPLCQQDWVV  85
ROC2-Ce    30 FVLKKWNALAVWAWDVECDTCAICRVHLMEECLRCQSEP---SAE-CYVVWGDCNHSFHHCCMTQWI---RQNNRCPLCQKDWVV 112

APC11-Hs    3 VKIKCWNGVATWLWVANDENCGICRMAFNGCCPDCKVPG-----DDCPLVWGQCSHCFHMHCILKWLHAQQVQQHCPMCRQEWKF  84
APC11-Dm    3 VTIKSWTGVATWRWIANDENCGICRMSFESTCPECALPG-----DDCPLVWGVCSHCFHMHCIVKWLNLQPLNKQCPMCRQSWKF  85
APC11-Ce   51 ITVKKLHVCGEWKWL[3]DTCGICRMEFESACNMCKFPG-----DDCPLVLGICRHAFHRHCIDKWI[5]QPRAQCPLCRQDWTI 135
APC11-Sc    3 VKINEVHSVFAWSW[21]DVCGICRASYNGTCPSCKFPG-----DQCPLVIGLCHHNFHDHCIYRWLDTPTSKGLCPMCRQTFQL 165
```

FIG.2C

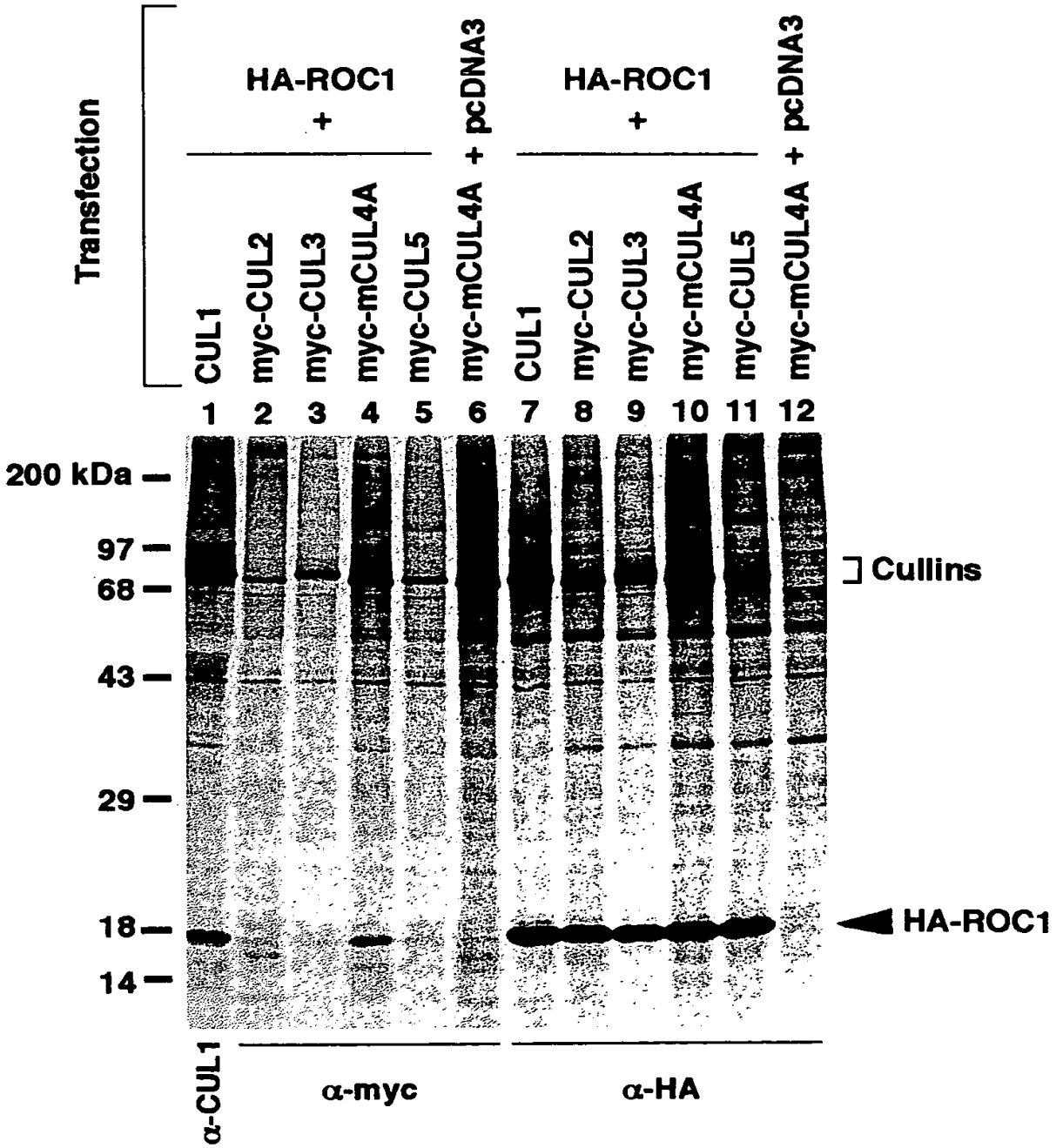


FIG.3A

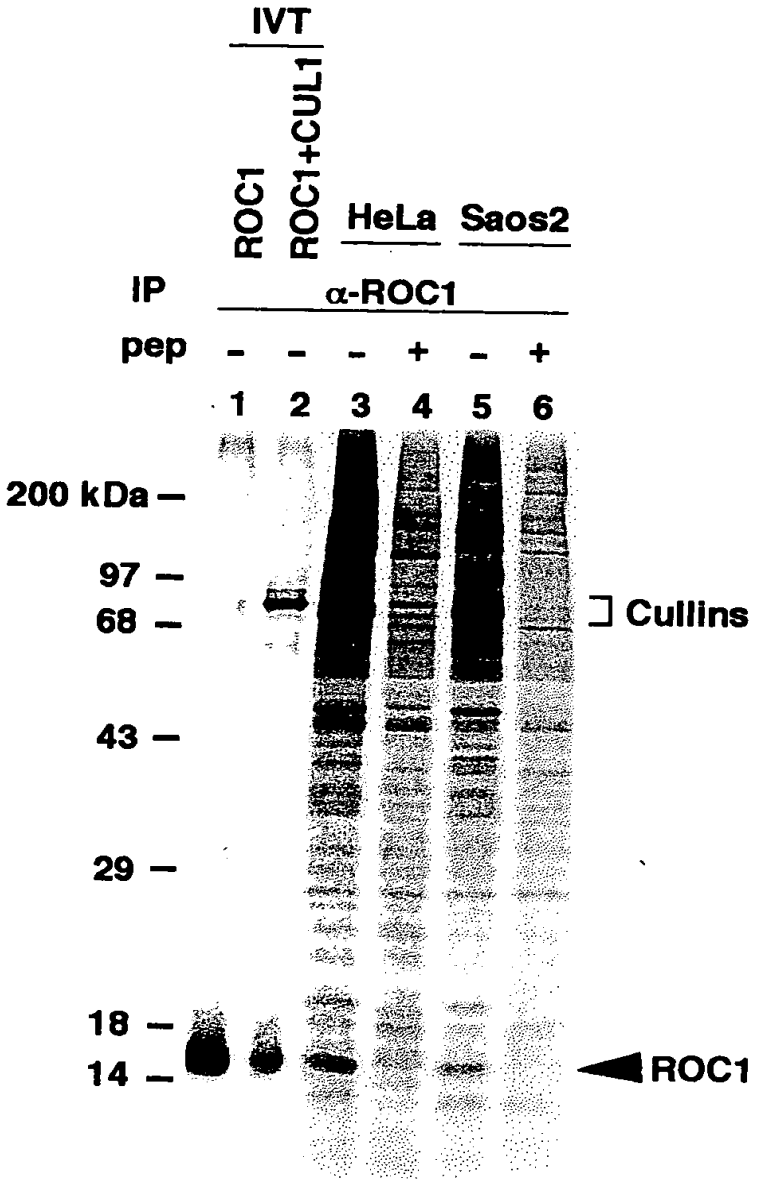


FIG.3B

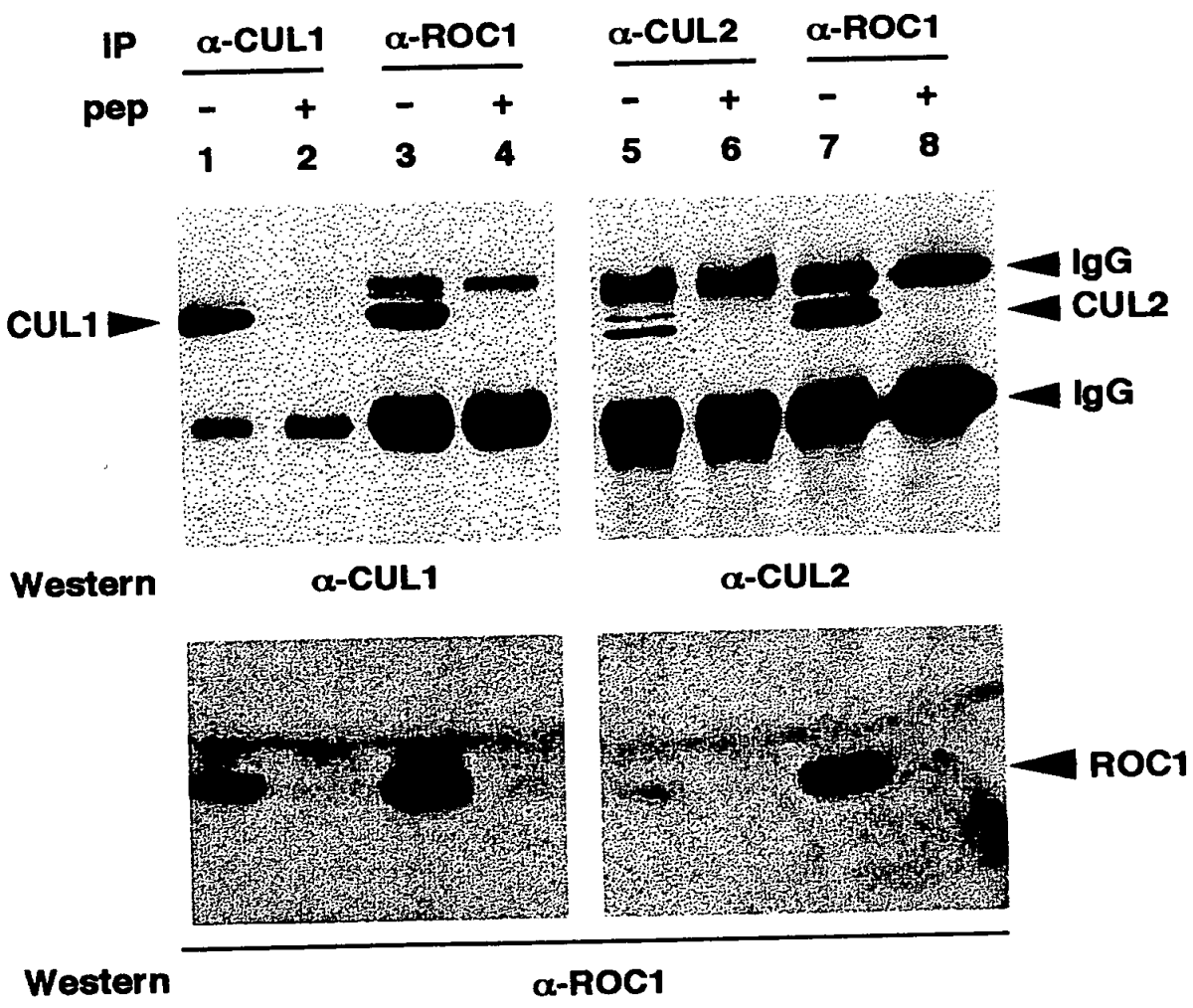


FIG.3C

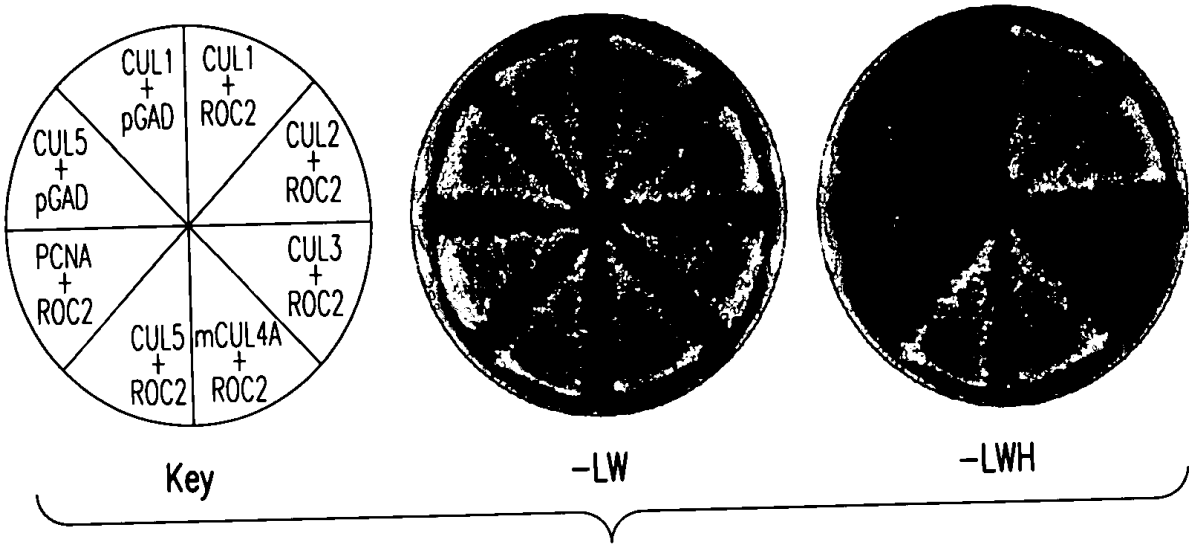


FIG.4A

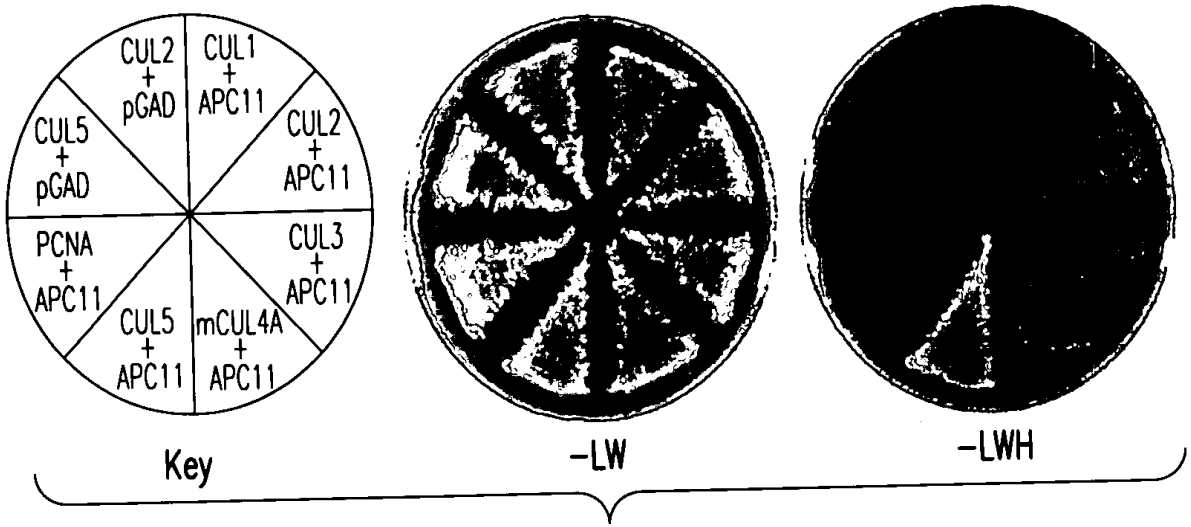


FIG.4B

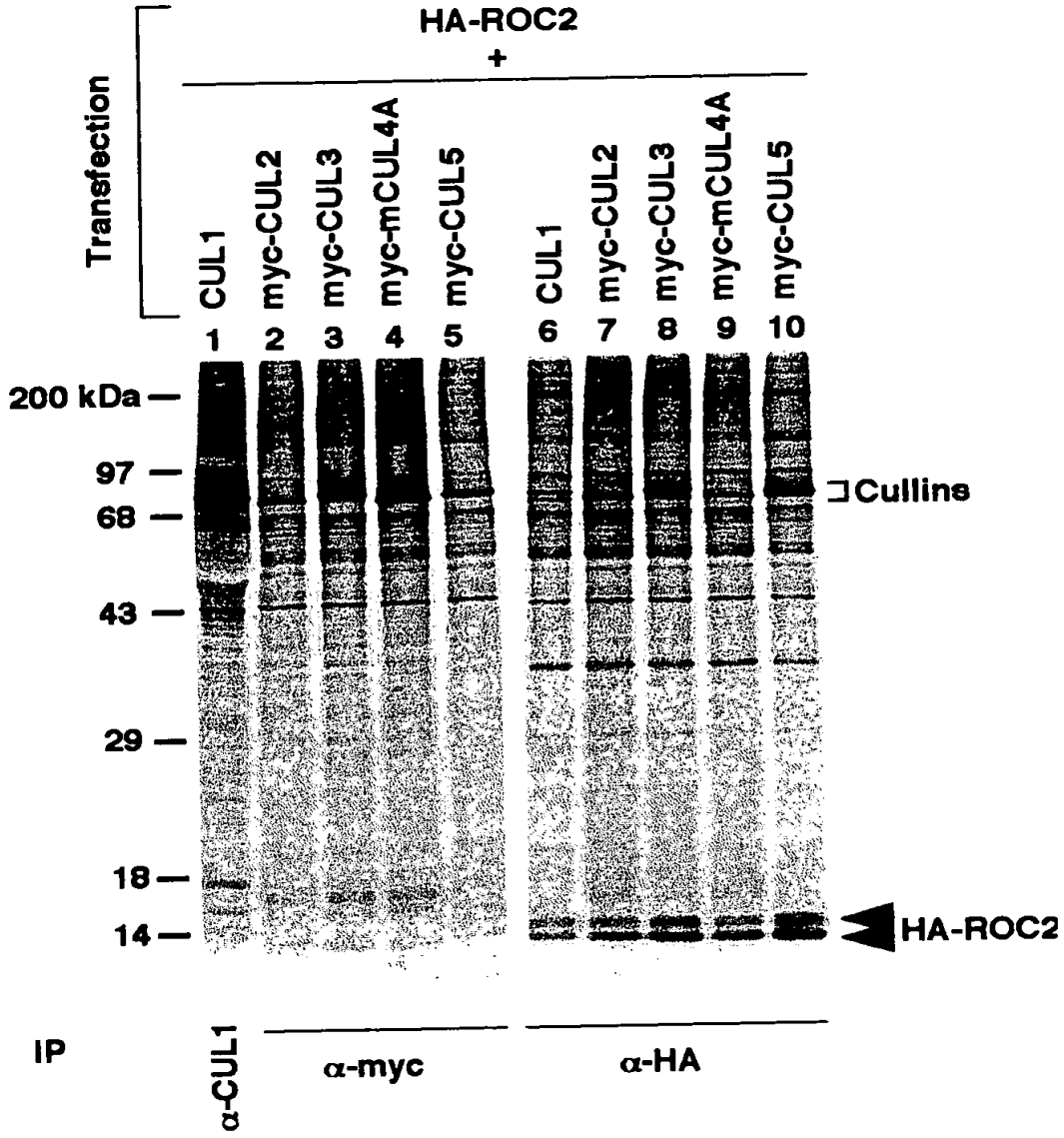


FIG.4C

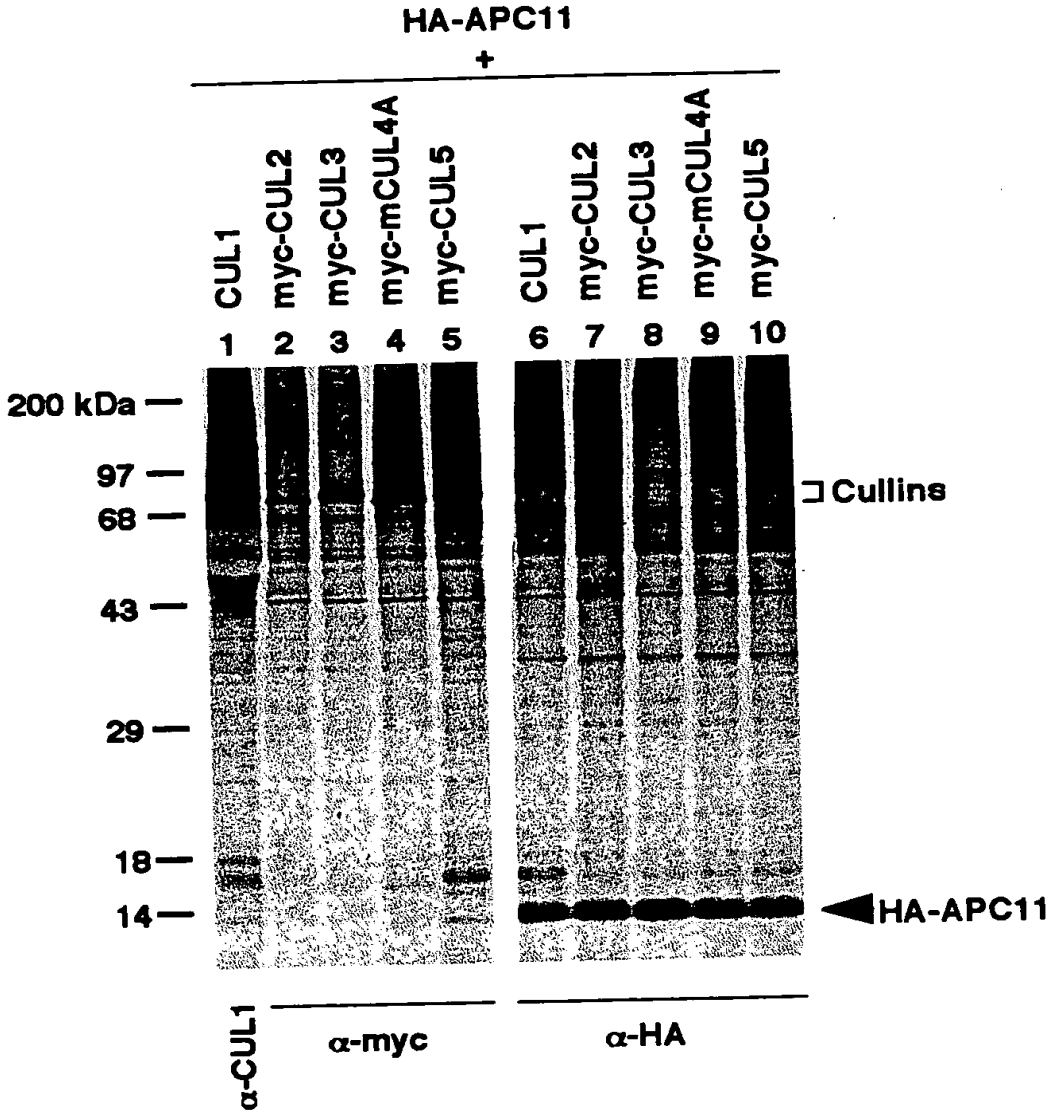


FIG.4D

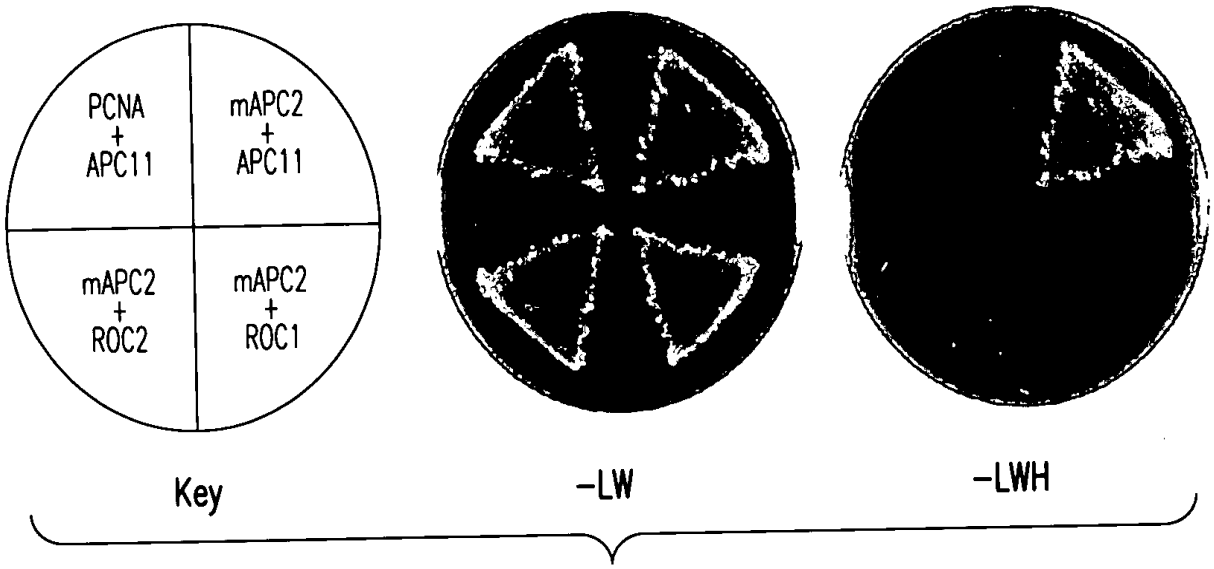


FIG.4E

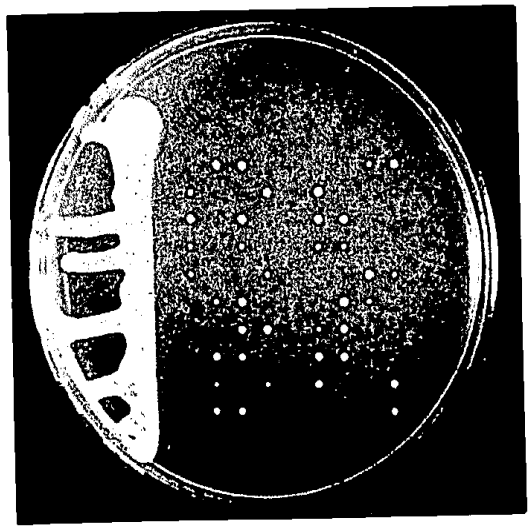


FIG.5A

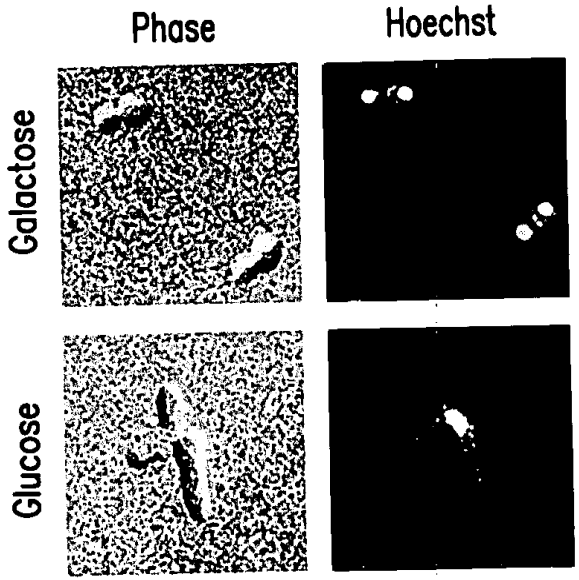


FIG.5B

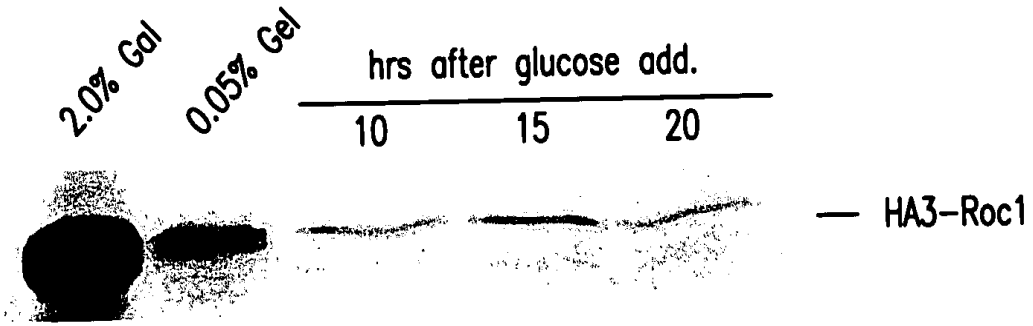


FIG.5C

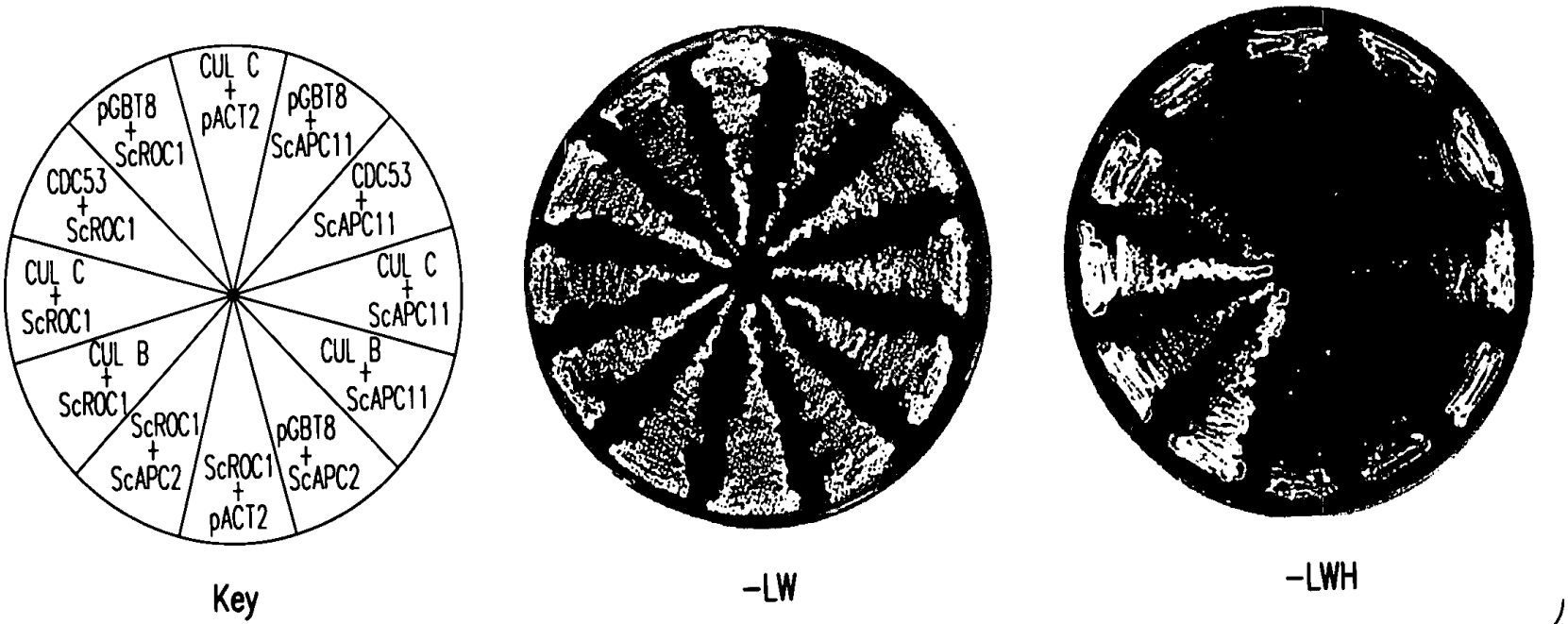


FIG.5D

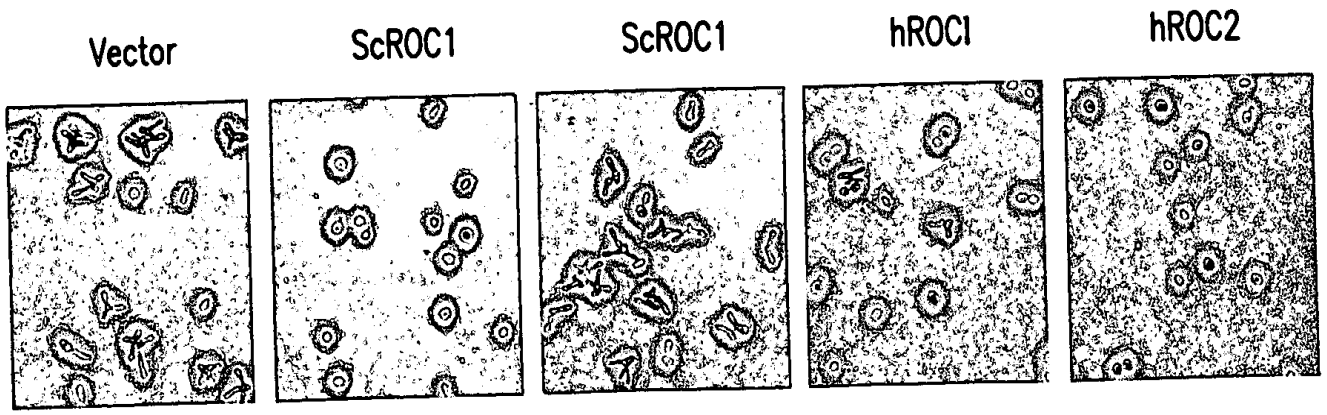


FIG.5E

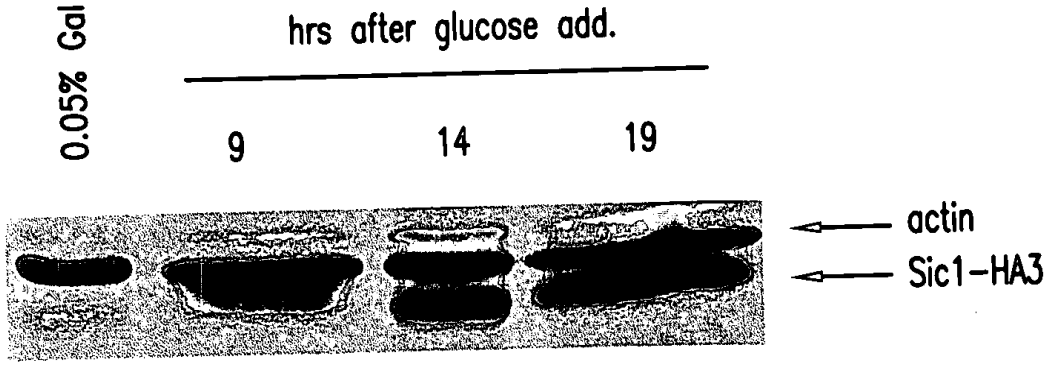


FIG.5F

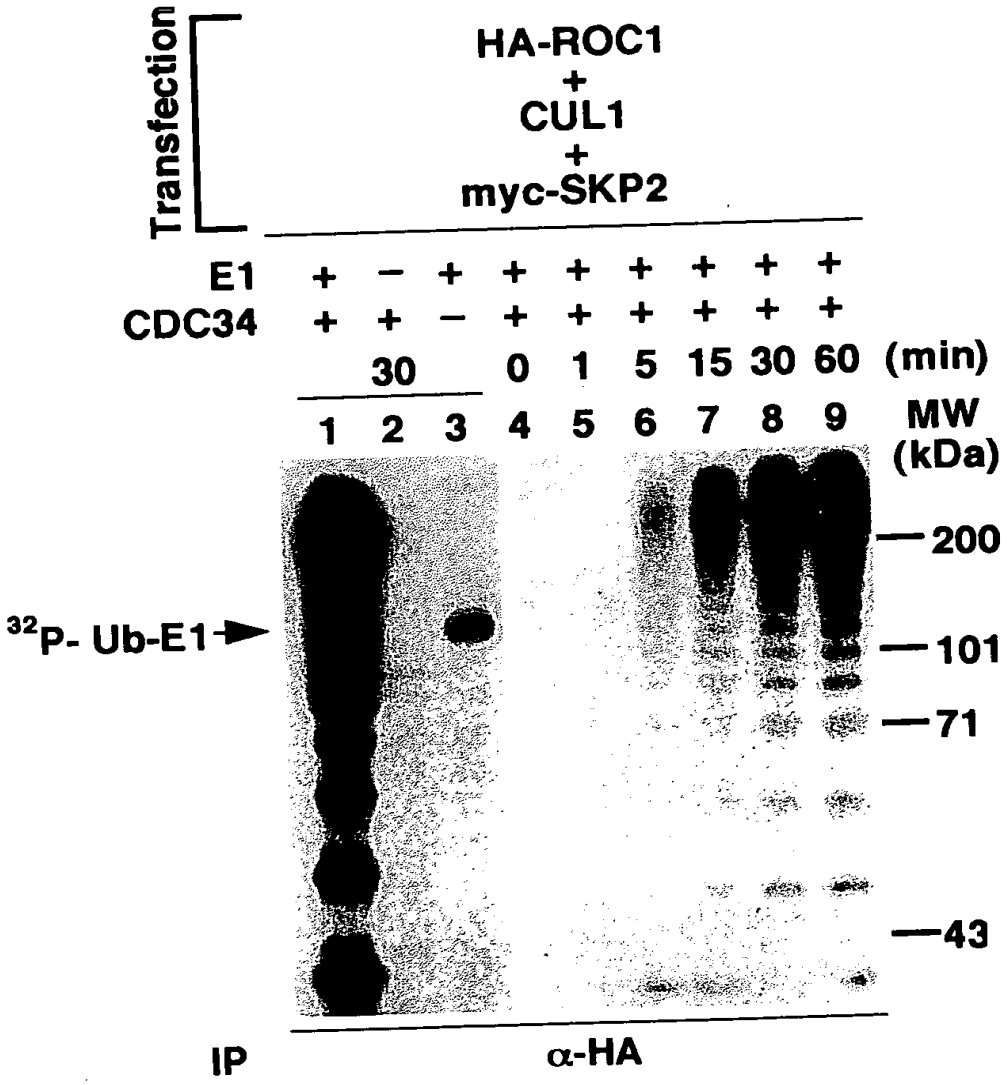


FIG.6A

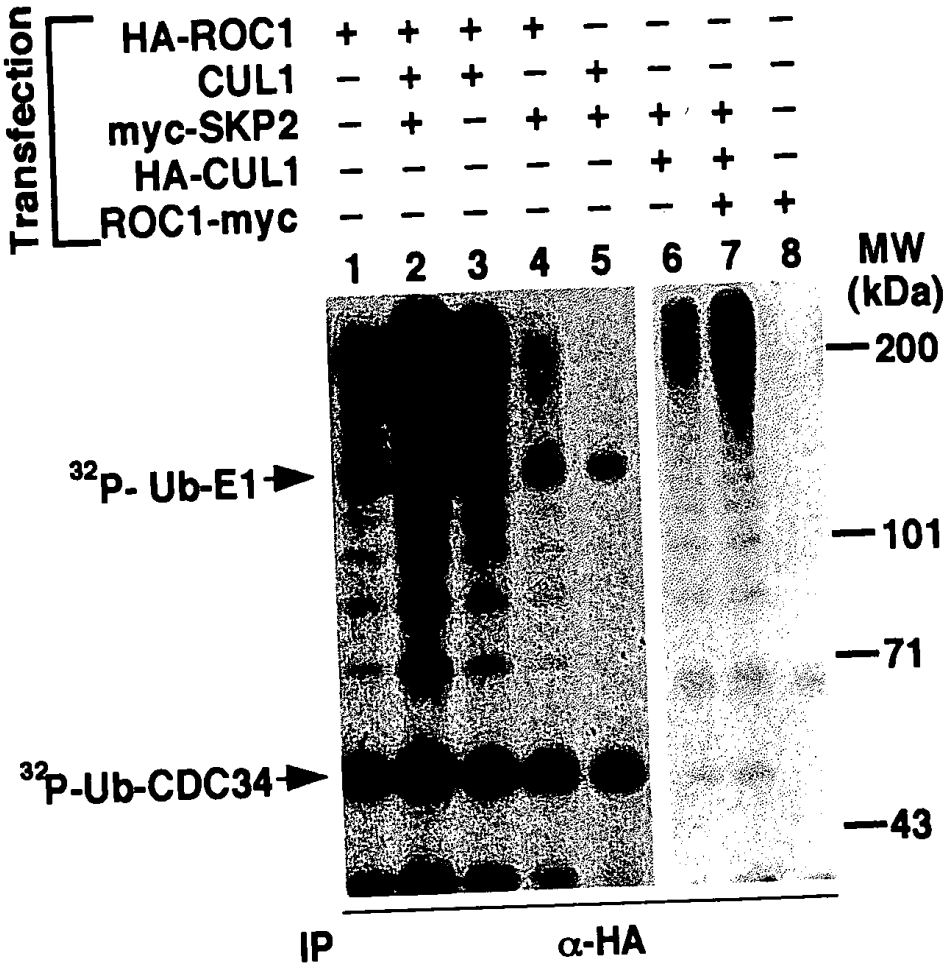


FIG.6B

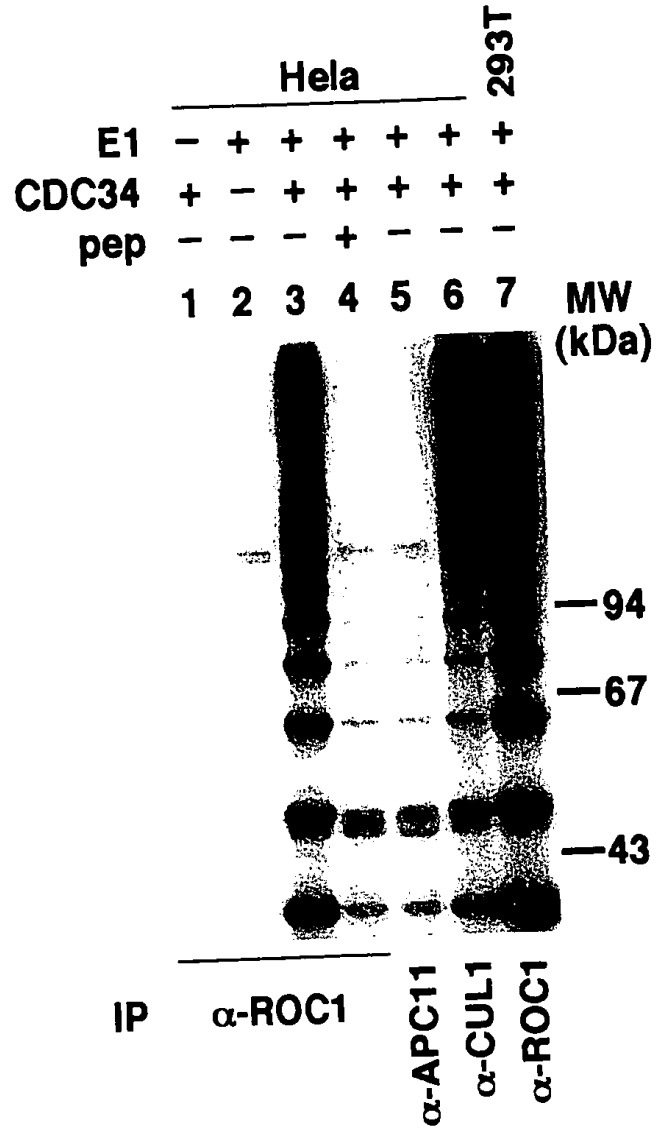


FIG.6C